

Name: _____

Date: _____

Period: _____

SPEED

Directions: Use the Engineer's Triangle to Solve the following speed related problems.
Round all answers to the nearest hundredths. Example: 4.6353 would be 4.64
Remember to show all 3 steps.

1. Tommy ran a distance of 500 meters in a time of 12.5 seconds. What was his speed?
2. Shontae drove her car at a rate of 60 km/hr to Philadelphia. If the trip took her 30 minutes, what is the distance to Philly?
3. Desiree took a plane from Dallas to Washington, DC for a job interview. The plane was traveling at 225 km/hr. Dallas is approximately 2000 Kilometers away. How long did it take to reach D.C.?
4. Tammy hit a softball 100 meters. It hit the right field fence within 2 seconds. How fast was the ball traveling?
5. A rock fell from a cliff at a speed of 30 m/s. It took the rock 30 seconds to reach the ground. How high was the cliff?
6. A baby crawled across the floor at a rate of .5 m/s. How long will it take him to crawl to the stove that is 15 meters away?

7. Debbie ran a 10 Kilometer race in a time of 45 minutes. What was her speed? Be sure to use Km/hr. (Hint: Change minutes to hours)

8. Jay and Bobbie were walking to the mall. Jay walked at a rate of 5 m/s while Bobbie walked at a pace of 3 m/s. If the mall is 2500 meters from their house, how long did it take each of them to reach the mall?

9. Samantha Jumped 1 meter in the air. It took her exactly .5 seconds to do this. What was her jumping speed?

10. Destiny through a paper airplane at a boy named Michael who was sitting 2 meters away. The plane traveled at 5 m/s....how long was it in the air?